

EXHIBIT A



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Overview

The B16-F10-luc-G5 Bioware® cell line (P/N 119269) is a light producing cell line derived from B16-F10 mouse melanoma cells by stable transfection of the North American Firefly Luciferase gene expressed from the SV40 promoter. Selection Marker: Zeocin (Sensitivity: 0.2 mg/ml).

Tissue: Mouse Melanoma

Parental Line Source: NCI

Bioluminescence In Vitro: Approx. 15 photons/sec/cell, subject to imaging and culturing conditions

In Vivo Models Tested:

Nu/nu (CR): subcutaneous and intravenous lung colonization model

C57BL/6 Albino (JAX): intravenous lung colonization model

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The B16-F10-luc-G5 Bioware® Cell Line (P/N 119269) may be used in vivo to establish subcutaneous tumor models and experimental metastasis model (lung colonization after intravenous injection). Bioluminescent imaging detected tumor cells throughout the experiment; measurable tumors may be measured by caliper within two weeks after the s.c. injection. In vivo photon counts of lung metastasis aft i.v. injection correlated to mean number of lesions on the surface of the lung. Ex vivo imaging confirmed metastases in pancreas, liver, kidneys and adipose tissue in some mice after the intravenous cell injection.

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